

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA
FIELD OFFICE
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Released: July 18, 2005
Issue No. CW-28-05

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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, FSA, NRCS, DNR

HOT, DRY WEATHER ADVANCES CROP DEVELOPMENT

Crop development in Minnesota continued at a rapid pace as hot, humid weather covered most of the State, according to the USDA, NASS, Minnesota Field Office. Rainfall was spotty and light. Crops on lighter soils are showing some signs of drought stress, and soybean aphids have appeared in some southern counties. Rain is needed to maintain crop conditions in most parts of the state.

The average temperature for the week was 77.4 degrees, 7.4 degrees above normal. Statewide topsoil moisture supplies as of July 15th were rated 8% very short, 25% short, 59% adequate, and 8% surplus.

An estimated 27% of Spring Wheat acreage was turning ripe as of Sunday, compared with 16% for the same date in 2004 and 25% for the five-year average. Oats were 49% turning ripe, compared with 35% last year and 45% for the five-year average. Barley was 37% turning ripe, compared with 13% last year and 28% for the five-year average.

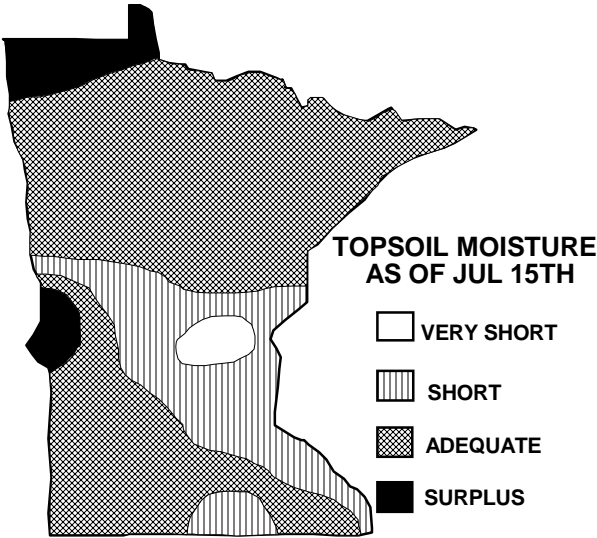
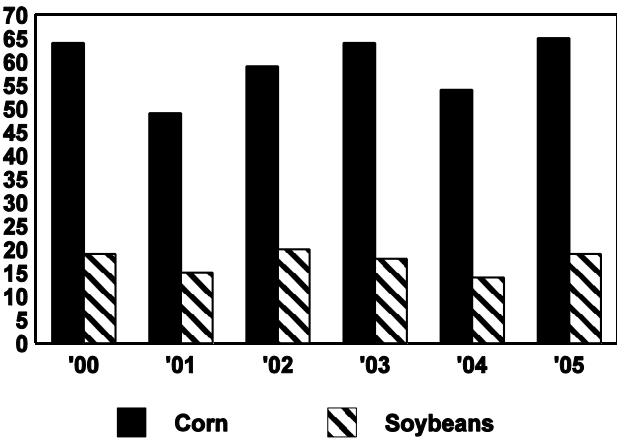
Corn height was 65 inches compared with 54 inches last year and 58 inches for the five-year average. Twenty percent of the corn was silking, compared with 10% last year and 22% for the five-year average. Soybean height was 19 inches, compared with 14 inches last year and 17 inches for the five-year average. Soybeans were 61% in bloom, compared with 43% last year and 48% for the five-year average.

Days Suitable for Fieldwork: 6.3				
	Very Short	Short	Ade-quate	Sur-plus
Topsoil Moisture (%)	8	25	59	8

Crop Progress as of July 17, 2005					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Height - Inches	65	52	54	58
	Silking	20	1	10	22
Soybeans	Height - Inches	19	15	14	17
	Blooming	61	36	43	48
	Setting Pods	4	NA	2	4
Spring Wheat	Heading	95	87	91	94
	Turning Ripe	27	NA	16	25
Oats	Heading	98	89	90	95
	Turning Ripe	49	NA	35	45
	Harvested	2	NA	3	2
Barley	Heading	95	89	89	93
	Turning Ripe	37	NA	13	28

Crop Condition as of July 15, 2005 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	3	10	27	51	9
Field Corn	2	6	23	52	17
Soybeans	3	7	27	50	13
Spring Wheat	2	13	24	47	14
Barley	9	12	25	44	10
Oats	1	6	24	56	13
Dry Beans	1	5	33	50	11
Potatoes	2	3	15	45	35
Sunflowers	2	8	34	46	10
Sugarbeets	2	9	24	49	16
Canola	30	39	27	3	1

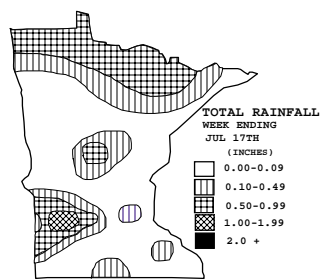
CORN AND SOYBEANS HEIGHT
IN INCHES AS OF JULY 17, 2005



Robert Purvis
Agricultural Statistician

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Director

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 17, 2005:
Temperatures averaged from 6.0 degrees above normal in the Southwest District to 9.3 degrees above normal in the East Central District. Extremes: 97° in Browns Valley and the MSP Airport; 48° in International Falls. Precipitation averaged from 0.96 inch below normal in the Southeast District to 0.37 inch below normal in the Central District. Greatest weekly total was 1.40 inches recorded in Montevideo.



Precipitation and Temperature Summary for 7/11/2005 through 7/17/2005

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 4	Depart from Norm
<u>NW DIST 1</u>										
Crookston	91	56	75.7	6.2	.03	-.67	-.99	.67	1100	15
Moorhead	93	57	75.4	4.8	0	-.65	-.64	2.87	1179	45
Warroad	93	58	76.4	9.1	.71	-.13	2.57	3.16	956	20
<u>NC DIST 2</u>										
Grand Rapids	93	59	75.7	8.2	.38	-.67	-2.09	-.37	1017	66
Intl. Falls	92	48	71.8	5.6	.52	-.24	-.11	2.90	900	8
Itasca	92	52	75.0	8.9	.08	-.80	-1.95	.87	1023	142
<u>NE DIST 3</u>										
Duluth	92	58	74.4	8.7	.01	-.94	-1.56	.60	864	67
Grand Marais	83	54	68.8	8.4	.01	-.76	-.26	.87	517	13
Hibbing	91	53	71.8	5.7	.75	-.34	-2.06	-4.33	894	38
<u>WC DIST 4</u>										
Alexandria	94	61	78.8	8.5	.06	-.66	-.60	.90	1149	66
Browns Valley	97	59	76.8	4.3	0	-.79	-.90	3.03	1230	29
Canby	95	63	79.1	5.7	.08	-.68	-2.26	.23	1343	79
Fergus Falls	93	64	79.0	8.9	0	-.75	-.59	4.09	1198	101
Montevideo	93	63	78.3	6.2	1.40	.63	-.49	3.39	1263	56
Morris	91	62	77.2	6.0	.36	-.54	-2.06	1.85	1201	24
<u>CENT DIST 5</u>										
Becker	95	65	80.8	10.8	0	-.94	-.78	-.25	1281	199
Collegeville	95	63	81.2	8.8	.14	-.66	-2.14	1.42	1319	92
Hutchinson	95	66	80.8	8.5	.64	-.19	-1.67	1.83	1300	66
Olivia	92	66	78.5	7.0	1.20	.41	-1.02	3.34	1273	61
St. Cloud	96	61	80.0	10.0	.01	-.71	-1.91	-1.46	1245	163
Staples	91	61	76.6	9.0	.84	.02	.22	2.93	1075	102
Willmar	94	65	79.5	8.0	.33	-.49	-2.85	-1.89	1266	70
<u>EC DIST 6</u>										
Aitkin	89	59	75.5	8.7	.31	-.75	-.19	2.30	1044	128
Forest Lake	96	65	81.0	10.0	.01	-1.00	-1.52	-1.34	1293	130
MSP Airport	97	71	84.0	10.6	.21	-.69	-1.58	-2.41	1417	150
St. Paul - UofM	95	67	81.6	8.0	0	-.98	-.96	-1.29	1396	88
<u>SW DIST 7</u>										
Lamberton	93	63	78.4	6.1	.30	-.51	-1.20	3.13	1300	37
Pipestone	92	61	76.6	4.9	.53	-.21	-.01	2.28	1248	64
Redwood Falls	95	66	79.5	5.8	.59	-.26	-1.19	1.65	1324	-4
Worthington	93	63	78.4	7.2	0	-.79	-1.07	1.47	1284	116
<u>SC DIST 8</u>										
Faribault	94	62	79.1	7.5	0	-.96	-.86	1.31	1278	95
Mankato	93	66	79.2	7.0	0	-.96	-3.02	-1.37	1296	59
Waseca	92	63	78.7	7.2	0	-1.00	-.07	1.63	1326	108
Winnebago	91	66	78.5	6.3	.23	-.69	-.02	2.84	1322	77
<u>SE DIST 9</u>										
Preston	91	57	75.8	5.3	0	-1.05	-2.46	-2.85	1203	77
Red Wing	95	63	80.0	7.7	0	-.97	-2.57	-2.32	1334	117
Rochester	91	61	77.7	7.4	.21	-.84	-2.41	-3.74	1296	178
Rosemount	93	65	78.8	6.8	0	-1.05	-2.76	-4.31	1322	88
Winona	95	63	80.9	5.9	0	-.95	-3.58	-3.60	1368	9

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The USDA, NASS, Minnesota Field Office, WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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PO Box 7068, ST. PAUL MN 55107
WEEKLY NEWS REPORT
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Address Service Requested